

IN THE CLAIMS

Please cancel claims 1-10 and add new claims 11-30.

11. A piezoelectric actuator comprising

- a multilayer structure of piezoelectric layers and inner electrodes (2, 3) disposed between the piezoelectric layers;

- an alternate-side lateral contacting of the inner electrodes (2, 3) via outer electrodes (4, 5), via which an electrical voltage can be delivered; wherein

- the outer electrodes (4, 5) each being in the form of a network or fabric applied and distributed over one side face, and contacted at least at some points to the respective inner electrodes (2, 3), said outer electrodes (4,5) including a stretchable region between said contact points;

- the network-or fabric-like outer electrodes (4, 5) each being lengthened beyond the multilayer structure of piezoelectric layers in such a way that the delivery of the electrical voltage is effected at the extensions (8, 9).

12. The piezoelectric actuator of claim 11, wherein

- the extensions (8, 9) are guided, electrically insulated (10), by a foot part (6) of the piezoelectric actuator (1), to which part the multilayer structure of piezoelectric layers is secured.

13. The piezoelectric actuator of claim 12, wherein

- the extensions (8, 9) are held in a potting composition (12), which is introduced into a recess (11) of the foot part (6).

14. The piezoelectric actuator of claim 13, wherein
 - the potting composition (12) is surrounded by a shaped part (13).
15. The piezoelectric actuator of claim 11, wherein
 - the outer electrodes (4, 5) are tapered in the region of the extensions (8,9).
16. The piezoelectric actuator of claim 13, wherein
 - the outer electrodes (4, 5) are tapered in the region of the extensions (8,9).
17. The piezoelectric actuator of claim 11, wherein
 - the outer electrodes (4, 5) are folded in the region of the extensions (8, 9).
18. The piezoelectric actuator of claim 13, wherein
 - the outer electrodes (4, 5) are folded in the region of the extensions (8, 9).
19. The piezoelectric actuator of 15, wherein
 - the outer electrodes (4, 5) are folded in the region of the extensions (8, 9).
20. The piezoelectric actuator of claim 11, wherein
 - the outer electrodes (4, 5) are coiled in the region of the extensions (8, 9).
21. The piezoelectric actuator of claim 12, wherein
 - the outer electrodes (4, 5) are coiled in the region of the extensions (8, 9).

22. The piezoelectric actuator of claim 13, wherein

- the outer electrodes (4, 5) are coiled in the region of the extensions (8, 9).

23. The piezoelectric actuator of claim 14, wherein

- the outer electrodes (4, 5) are coiled in the region of the extensions (8, 9).

24. The piezoelectric actuator of claim 11, wherein

- the network-or fabric-like outer electrodes (4, 5) comprise crossed wires (14, 15)

laid at an incline of 45°.

25. The piezoelectric actuator of claim 13, wherein

- the network-or fabric-like outer electrodes (4, 5) comprise crossed wires (14, 15)

laid at an incline of 45°.

26. The piezoelectric actuator of claim 15, wherein

- the network-or fabric-like outer electrodes (4, 5) comprise crossed wires (14, 15)

laid at an incline of 45°.

27. The piezoelectric actuator of claim 11, wherein

- the network-or fabric-like outer electrodes (4, 5) comprise crossed wires (14, 15)

laid horizontally and vertically.

28. The piezoelectric actuator of claim 13, wherein

- the network-or fabric-like outer electrodes (4, 5) comprise crossed wires (14, 15) laid horizontally and vertically.

29. The piezoelectric actuator of claim 24, wherein

(12) - the wires (14, 15) are contacted to one another by being copper-or tin-plated to one another.

30. The piezoelectric actuator of claim 27, wherein

(12) - the wires (14, 15) are contacted to one another by being copper-or tin-plated to one another.

IN THE ABSTRACT

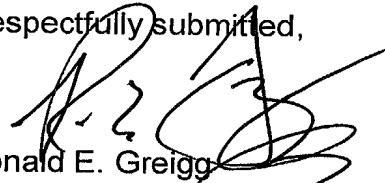
Please substitute the attached Abstract of the Disclosure for the abstract as originally filed.

REMARKS

The above amendments are being made to place the application in better condition for examination.

Entry of the amendment is respectfully solicited.

Respectfully submitted,



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